

Egg Harbor Township Education Foundation, Inc.
Mini-Grants 2016-2017

TITLE: Frida Kahlo Traveling Art Exhibit

SCHOOL: Alder:

AMOUNT: \$500 NO. OF STUDENTS: 300

CONTACT: Nicole Chini

STAFF: Jenny Dilks

DESCRIPTION: During the second marking period Spanish and Hispanohablantes students will learn about the life and art of Frida Kahlo. Art is one of the perfect mediums to stimulate the use of language in a situation that is natural and meaningful. After the study of Frida, the Teacher's Discovery Frida Kahlo Traveling Art Exhibit will be available for viewing. Students will complete various activities supported by the art exhibit.

TITLE: Electronics Engineering

SCHOOL: Alder & Fernwood:

AMOUNT: \$498.94 NO. OF STUDENTS: 70

CONTACT: Jeff Warner

STAFF:

DESCRIPTION: Students will build electronic devices using Arduino circuit boards. These microcontrollers are a platform for building prototypes of pretty much any electronic device imaginable. All sixth grade G/T students will be exposed to this concept and will complete a series of introductory projects. The project can later be extended to those students interested in more in-depth projects.

TITLE: Crewmates & Classmates

SCHOOL: Alder:

AMOUNT: \$500 NO. OF STUDENTS: 200

CONTACT: Kathi Clayton

STAFF: Jason Lucas, Elyse McKelvey, Wendy Penza, Jim Alton, Sara Joy

DESCRIPTION: Members of the Coast Guard are frequently reassigned. Children of these families are often required to acclimate themselves to a new school and community. This project will result in a student created "Welcome Folder" for the children of Coast Guard families newly stationed at Air Station Atlantic City. In addition the Silver Team students will also support Coast Guard members by establishing a relationship through cards, letters and personal visits.

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TITLE: It's ALL ELEMENTAL Periodically Speaking

SCHOOL: Alder:

AMOUNT: \$500 NO. OF STUDENTS: 90

CONTACT: Alexis Dilks

STAFF: Caressa Logue, Renee Mashura, Susan Hinlicky, Karen Cunningham, Noelle Caucci

DESCRIPTION: Students have difficulty linking and understanding the usefulness of the periodic table. This project will have the students develop and institute connections to the periodic table in lab experiments. The students will design a visual/physical aid which will stimulate direct associations to the elements and lab experiments. This activity will help solidify relationships while engages the student s to interact with peers and learn specific components within each structure of the periodic table.

TITLE: STEM ACROSS THE CURRICULUM - AAMS Smart Trail

SCHOOL: Alder:

AMOUNT: \$250 NO. OF STUDENTS: 100-200

CONTACT: James Ferriola

STAFF: Kelli Wenzel, Maria Behm, Wendy Eichinger, John Jones, Candice Marshall, Kerri Watts, Guy Zompa

DESCRIPTION: There is a need for students to learn that subjects taught in school are cross-curricular. Students will see how United States History is relevant today. In addition students will discuss how today's technology would have greatly helped explorers Lewis and Clark. This project will allow students to extend and improve the Smart Trail at AAMS.

TITLE: Proud to Be an American: Freedom Is Not Free

SCHOOL: Alder & Eagle Academy:

AMOUNT: \$500 NO. OF STUDENTS: 300

CONTACT: Kelli Wenzel

STAFF: Kathy Murphy, James Ferriola, Maria Behm, Candice Marshall, Diana Fogleman, Wendy Montecalvo, Wendy Eichinger

DESCRIPTION: In an effort to make our students more aware of the sacrifices that military members make there will be exposure to literature both fiction and non-fiction extolling those virtues. Community members from the various services will be invited to and honored at a "Conversations With Coffee" assembly where a student-driven question and answer period will take place. Teachers from Alder and Eagle will collaborate to create a patriotic mural.

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TITLE: Launching Connections

SCHOOL: Fernwood & Slaybaugh:

AMOUNT: \$400 NO. OF STUDENTS: 150

CONTACT: Linda Szygula

STAFF: Nicole Dempsey

DESCRIPTION: Both third and eighth grades study Newton's Laws of Physics. The existing EHT Rockets to Schools program will be extended to the elementary level with this project. The eighth grade students will serve as "rocket buddies" to the third grade students. After each group studies Newton's Laws, they will be given model rocket kits to assemble. Launch Day will be held in May with third grade attending. All students will learn safety requirements; altimeter trackers will be original creations and all students will launch their rockets.

TITLE: Electric Generators: Fluid Power Driven

SCHOOL: High School:

AMOUNT: \$499.29 NO. OF STUDENTS: 50-75+

CONTACT: Etzel Brower

STAFF:

DESCRIPTION: The concept of Pascal's Law which says "a fluid defined as a liquid or a gas that takes the shape of its container, when compressed or pressurized, will exert a force equal and undiminished in all directions." An engineered model of a fluid powered actuator can be mechanically coupled to a generator pulley to turn the rotor of a dc generator. Two fluid models will be constructed. One will be pneumatic so that data can be collected on the efficiency of a compressed air drive and the other will be hydraulic so data can be collected on the efficiency of a pressurized oil drive. The students will be able to see which drive works best when turning a dc fractional horsepower motor.

TITLE: Sustainable Farming Practices

SCHOOL: High School:

AMOUNT: \$500 NO. OF STUDENTS: 50

CONTACT: Christa Delaney

STAFF:

DESCRIPTION: Seniors will be offered a class on Sustainability for the first time this year. This class will provide the students with the opportunity to put to use all the concepts that they had previously learned. As part of the class students will be focusing on the importance of farming and food production to a growing human population. This grant will enable the students to visit Johnson's Corner Farm in Medford, NJ. They will see a green house, visit various planting fields, and the daily operation of a working farm.

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TITLE: The Freshmen Challenge

SCHOOL: High School:

AMOUNT: \$500 NO. OF STUDENTS: 600

CONTACT: John Mason

STAFF:

DESCRIPTION: During the month of March World Culture teachers will implement a bracket system within their five respective class sections and the bracket will match individual students against each other. Brackets are based on individual student readiness, learning style and similar abilities. Students will compete throughout the month and at the end of the month each World culture teacher will have one semi finalist. Finalists will compete on the stage in the Performing Arts Center with the entire freshmen class in attendance. The winner will have a catered lunch for himself, class section, teacher and family as well as a savings bond to be used for college.

TITLE: Great Gardening at Miller #3

SCHOOL: Miller:

AMOUNT: \$500 NO. OF STUDENTS: 200

CONTACT: Ron Shanteau

STAFF: Jen Kusnirik, Lisa Cortese, Colin McClain

DESCRIPTION: This project is a continuous one started three years ago. The garden has expanded from 6 to 12 raised beds on the fourth grade side, 4beds on the fifth grade side, 2 beds at the front of the building as well as two 20 foot by 10 foot garden plots. The students take ownership of the area in the fall by harvesting remaining product and basic maintenance like weeding. In the early spring the students move soil, weed, rake, make plant mounds and plant their own plants. In the spring all students plant at least two types of plants, nurture them in their respective classrooms, observe and measure their growth making a line plot reflecting the growth. All six classes in the wing will take ownership of the garden under the supervision of the science/math teachers. Master Gardner has volunteered to do lessons on plants and herbs.

TITLE: TRUE GRIT: Life Lessons For When School Seems Hard

SCHOOL: Miller:

AMOUNT: \$150 NO. OF STUDENTS: 34

CONTACT: Hope Burton

STAFF: Georgeana Boccelli, Isla Weber, Cynthia Higbee, Jill Costantino

DESCRIPTION: Students who struggle in school year after year are at high risk for lower self-esteem and drop-out when they reach high school. Life skills are very important for students who do not do well in school. A set of ten lessons were developed to help at risk students develop the necessary skills for perseverance. The lesson will be presented to the identified students by the Child Study Team and/or the teachers to some of the students.

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TITLE: Passport to Learning

SCHOOL: Miller:

AMOUNT: \$500 NO. OF STUDENTS: 150/all

CONTACT: June Catania

STAFF: Cheryl Cottelli, Ashleyann Iannelli

DESCRIPTION: The plan is to create a Geography Fair (similar to a Science Fair) which will serve as a motivation for our students to become more excited about geography. The Fair will be open to all fifth graders and would offer these students of EHT the opportunity to engage in a student-centered study of geography. All fifth grade students will attend an information session and will be invited to participate. Social Studies teachers from the middle schools and the high school will serve as judges. Awards will be presented to the top three entries. Participation ribbons will be presented to all participants.

TITLE: ZOOB Challenges for STEM

SCHOOL: Miller:

AMOUNT: \$500 NO. OF STUDENTS: 150+

CONTACT: Cheryl Cottelli

STAFF: David Baldwin, Holly Ulland, Ashleyann Iannelli

DESCRIPTION: The district and standards have promoted the use of hands-on activities and we, as teachers, continuously look for ways we can have the students utilize and expand these skills. This grant will enable us to order 10 units of the ZOOB Challenge. Zoob pieces comprise a unique modeling system that snaps, clicks and pops together. These kits will enable the teachers to design and redesign.

TITLE: Oasis on Spruce

SCHOOL: Davenport Primary:

AMOUNT: \$500 NO. OF STUDENTS: 40

CONTACT: Rachel Prakash

STAFF: Amanda Cullen, Crista Bernardino, Brittany Bybel

DESCRIPTION: The idea was to repurpose the enclosed space between the wings of Davenport Elementary. This garden will be multi-purpose. Preschool through third grade autism programs are housed at Davenport so this project will specifically involve and reach that population. This unused space will become a sensory garden; sensory gardens appeal to the senses and are an important consideration for students with autism. The garden will include fountains that will appeal to touch and hearing, wind chimes, textured stepping stones, fragrant plants, etc. This space will also serve as a reading garden for anyone in the complex.

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TITLE: Davenport is Blooming

SCHOOL: Davenport Elementary:

AMOUNT: \$500 NO. OF STUDENTS: 100

CONTACT: Courtney Miles

STAFF: Shannon Ward, Kerri Pratt, Jennifer Taylor, Jennifer Nidorf

DESCRIPTION: There is an existing area that was cultivated as a garden area by former staff members. Recently it has not been maintained and would serve perfectly as an outdoor classroom. Many of our students have limited exposure to working with plants and creating a garden. Second grade teaches a unit on plants each spring. At the conclusion of the unit we will work in the garden to beautify it. The students will learn how a garden is started, how to care for their plants and most importantly life skills such as creativity, responsibility and perseverance.

TITLE: Let's Read S'More!

SCHOOL: Slaybaugh Primary:

AMOUNT: \$500 NO. OF STUDENTS: 500

CONTACT: Kristi Barnes

STAFF: Candice Goodman, Keri Lucia

DESCRIPTION: Children need to develop the joy of reading as a simple pleasure and leisure activity. We plan to do just that by adding some adventure to reading and listening. We will periodically have story time, read-to-someone and read -to-self activities in larger pop-up tents on school grounds. These activities will be extended to different grade levels combining experiences with other students and teachers. Kindergarten students will work with their teachers to create a solar oven in which they will make S'mores as a special treat.

TITLE: Environmental Stewards in Action

SCHOOL: Slaybaugh Elementary:

AMOUNT: \$241 NO. OF STUDENTS: 75

CONTACT: Donna Efstatos

STAFF: Sharon House, Katie Scelso-Sheeran

DESCRIPTION: During the past two years Slaybaugh has established activities and programs that enabled the school to be recognized at the Bronze Level of sustainable New Jersey. This grant will enable the building to continue their efforts by creating and educating environmental stewards. The students will take a trip to the ACUA Wastewater Treatment Facility, Wind Farm and Solar Project. There will be a first -hand demonstration while on a tour of the laboratory. The students will also visit the ACUA Environmental Park. Students will write a narrative during the days after our trip. They will also create posters, flyers or opinion pieces in an effort to persuade others to conserve and recycle.

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TITLE: Investigate, Tinker, Build, Create, & Learn...Makerspace @ Your Library

SCHOOL: Swift:

AMOUNT: \$500 NO. OF STUDENTS: 400

CONTACT: Kimberly DeNaples

STAFF: Lynda Carty

DESCRIPTION: There is a need for the students to have an area in school where their imaginations can takeover and create, construct, design, builds and ultimately learn. Swift's Makerspace has been started in the library, but there is a need to update, add to, and improve the space. This grant will enable the staff to purchase various items that address a variety of interest, including Legos and K'nex. There are plans for a second Makers' Faire and bring in hobbyists and experts that will share their particular area of expertise.

TITLE: The Franklin Institute is in "Motion" with Swift School

SCHOOL: Swift:

AMOUNT: \$500 NO. OF STUDENTS: 120

CONTACT: Teri Lee McGowan

STAFF: Kim Cochrane, Nanci Barr, Traci Higgins, Laura Grimes, Renee Smith, MaryAnn Hamilton

DESCRIPTION: The third grade teachers complete the Motion and Stability unit during the second trimester. We plan to complete this unit during the December to March time frame. We would like the students to have the necessary background to make the Franklin Institute experience most effective. The assembly will be scheduled around our school calendar, and scheduled upon the completion of most of the material has been taught in the classroom. The topic that we are interested in is called: "Motion and Machines"